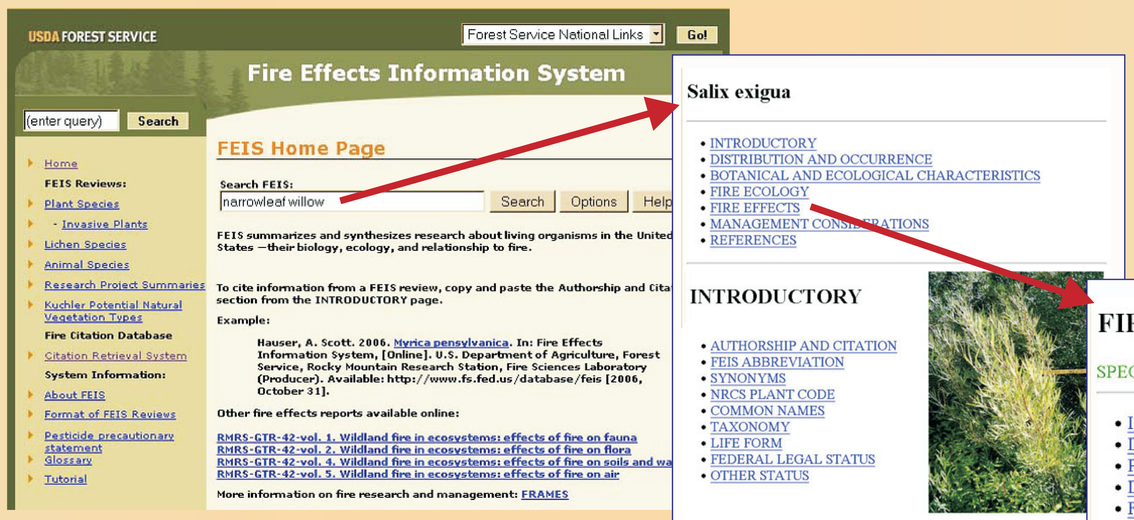
Fire Effects Information System (FEIS)

www.fs.fed.us/database/feis

Fire Modeling Institute Information Team
US Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory, Missoula, MT

How does fire affect plants & animals?

FEIS has answers in its 1,000-plus reviews of scientific literature on plant & animal species, including >100 nonnative plants.



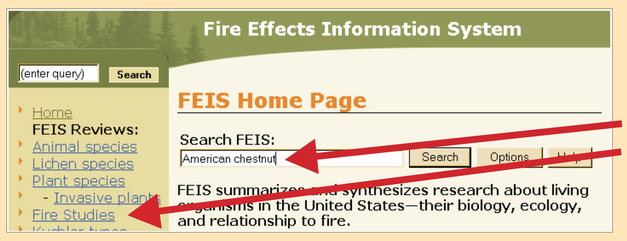
© David J. Moorhead, University of Georgia, Bugwood.org

Prescribed fire in cogongrass to remove thatch before herbicide application.

Karner blue butterfly

New: Research Project Summaries (RPSs):

Summaries of fire effects studies with relatively complete descriptions of burning conditions, fire behavior, and burned and unburned vegetation.



Find them through search window or RPS menu

Early postfire effects of a prescribed fire in the southern Appalachians of North Carolina

- INTRODUCTORY
- REFERENCES

RESEARCH PROJECT SUMMARY CITATION:
Gucker, Corey L. 200
fire in the southern Ap
Effects Information S
Agriculture, Forest Se
Station, Fire Sciences
http://www.fs.fed.us/

The coverage of ground layer vegetation on the ridge slightly exceeded prefire levels by the first postfire year.

Pre- and postfire cover of herb-layer vegetation on the ridge [1]

Time	Prefire	Postfire month 3	Postfire month 15
Ground layer species			
Trees	cover (%)		
American chestnut	0	0.7	0
black locust	0.02	0.5	0
black oak			
chestnut oak			
downy serviceberry			

Treatment effects on 52 species

SPECIES INCLUDED IN THE SUMMARY:
This Research Project Summary contains fire response information on the following species. For further information, follow the highlighted links to the FEIS reviews for those species.

Appendix	
Common name	Scientific name
striped maple	*Acer pensylvanicum*
red maple	*Acer rubrum*
sugar maple	*Acer saccharum*
downy serviceberry	*Amelanchier arborea*
sweet birch	*Betula lenta*
sedge	*Carex* spp.
hickory	*Carya* spp.
American chestnut	*Castanea dentata*
mountain sweetpepperbush	*Clethra acuminata*

Includes 24 species not reviewed in FEIS

Links to & from FEIS reviews for 28 species

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Flowers of mountain-laurel, a fire adapted understory dominant in many plant communities of the eastern United States.

©South Florida Sun-Sentinel 2005

Melaleuca burning in South Florida.

©2006 Susan Vincent

Common reed dominating a creek bank in Piermont Marsh, in Rockland County, New York.

©Jeffrey J. Jackson, University of Georgia, Bugwood.org

Timber rattlesnake.

©Allen Blake Sheldon, www.herpedia.com

Eastern box turtle.

© Tom Palmer, Friends of the Blue Hills

Stem sprouts on pitch pine (Pinus rigida) 10 weeks after a late April fire.

U.S.D.A. Forest Service, Rocky Mountain Research Station, Fire Modeling Institute

Partners:
~ USDA Forest Service Fire and Aviation Management
~ Joint Fire Science Program
~ Rocky Mountain Research Station, Fire Fuel & Smoke program
~ The Nature Conservancy's Global Invasive Species Initiative
~ National Interagency Fuels Coordination Group